



PATENT ABSTRACTS OF JAPAN

(11) Publication number: **60116809 A**(43) Date of publication of application: **24.06.85**

(51) Int. Cl.

F01L 13/00**F01L 1/18****F01L 1/24**(21) Application number: **58222995**(22) Date of filing: **25.11.83**(71) Applicant: **MAZDA MOTOR CORP**(72) Inventor: **HASHIMOTO NOBORU
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HATAOKA KENJI****(54) VALVE NON-OPERATING DEVICE OF ENGINE****(57) Abstract:**

PURPOSE: To reduce the driving force required for a changing-over member for the operation/ non-operation of a valve by a method wherein a spring member is provided in pressured manner between a supporting member forming the supporting point of a rocker arm and an engine fixing part, and the spring member is provided with a strong spring force cancelling an inertia force acted under a valve non-operation condition.

CONSTITUTION: Supporting point members 13 transfer the movement of a cam surface 8a of a cam shaft 8 to an intake and an exhaust valves 5, 6, a valve moving mechanism 7 is provided with the rocker arms 11 which are freely swingable around the supporting point members 13. In the above structure, the supporting point members 13 are respectively inserted in freely slidable manner into inserting holes 12a, 12b of a supporting member 12 fixed on a cylinder head 1. The inserting hole 12b at the exhaust valve 5 side is provided to be penetrated through from the upper side to the lower side of the supporting member 12, then a slidable intermediate member and the first spring energizing the supporting member 12 toward the separating direction from the supporting point member 13 are provided at the inserting hole 12b side. Further, the second spring and a cam member 17 are provided, that is, the second spring having a larger spring force than the first spring is

provided in pressured manner between the member 12 and the member 13, also a cam member 17 for changing-over the operation/non- operation is releasably supported in rotatable manner on the supporting member 12 and is flush with the intermediate member.

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